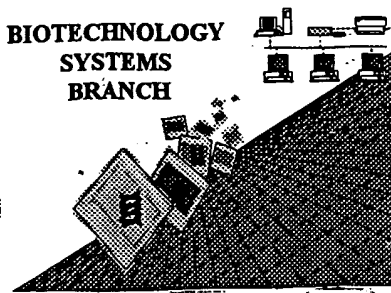


BIOTECHNOLOGY  
SYSTEMS  
BRANCH



**RAW SEQUENCE LISTING**  
**ERROR REPORT**

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 10/015,822  
Source: OIP  
Date Processed by STIC: 1/2/2002

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin21help@uspto.gov](mailto:patin21help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE **CHECKER**  
**VERSION 3.1 PROGRAM**, ACCESSIBLE THROUGH THE U.S. PATENT AND  
TRADEMARK OFFICE WEBSITE. SEE BELOW FOR ADDRESS:

**<http://www.uspto.gov/web/offices/pac/checker>**

Applicants submitting genetic sequence information electronically on diskette or CD-Rom should be aware that there is a possibility that the disk/CD-Rom may have been affected by treatment given to all incoming mail.

Please consider using alternate methods of submission for the disk/CD-Rom or replacement disk/CD-Rom, including:

1. EFS-Bio (<<http://www.uspto.gov/ebs/efs/downloads/documents.htm>> , EFS Submission

**User Manual - ePAVE)**

2. U.S. Patent and Trademark Office, Box Sequence, P.O. Box 2327, Arlington, VA 22202

3. Hand Carry directly to:

U.S. Patent and Trademark Office, Technology Center 1600, Reception Area, 7<sup>th</sup> Floor, Examiner Name,  
Sequence Information, Crystal Mall One, 1911 South Clark Street, Arlington, VA 22202

Or

U.S. Patent and Trademark Office, Box Sequence, Customer Window, Lobby, Room 1B03, Crystal Plaza Two,  
2011 South Clark Place, Arlington, VA 22202

4. Federal Express, United Parcel Service, or other delivery service to: U.S. Patent and Trademark Office,  
Box Sequence, Room 1B03-Mailroom, Crystal Plaza Two, 2011 South Clark Place, Arlington, VA 22202

# Raw Sequence Listing Error Summary

ERROR DETECTED	SUGGESTED CORRECTION	SERIAL NUMBER: 10/015,822
ATTN: NEW RULES CASES: PLEASE DISREGARD ENGLISH "ALPHA" HEADERS, WHICH WERE INSERTED BY PTO SOFTWARE		
1 _____ Wrapped Nucleics Wrapped Aminos	The number/text at the end of each line "wrapped" down to the next line. This may occur if your file was retrieved in a word processor after creating it. Please adjust your right margin to .3; this will prevent "wrapping."	
2 _____ Invalid Line Length	The rules require that a line not exceed 72 characters in length. This includes white spaces.	
3 _____ Misaligned Amino Numbering	The numbering under each 5 <sup>th</sup> amino acid is misaligned. Do not use tab codes between numbers; use space characters, instead.	
4 _____ Non-ASCII	The submitted file was not saved in ASCII(DOS) text, as required by the Sequence Rules. Please ensure your subsequent submission is saved in ASCII text.	
5 _____ Variable Length	Sequence(s) _____ contain n's or Xaa's representing more than one residue. Per Sequence Rules, each n or Xaa can only represent a single residue. Please present the maximum number of each residue having variable length and indicate in the <220>-<223> section that some may be missing.	
6 _____ PatentIn 2.0 "bug"	A "bug" in PatentIn version 2.0 has caused the <220>-<223> section to be missing from amino acid sequences(s) _____. Normally, PatentIn would automatically generate this section from the previously coded nucleic acid sequence. Please manually copy the relevant <220>-<223> section to the subsequent amino acid sequence. This applies to the mandatory <220>-<223> sections for Artificial or Unknown sequences.	
7 _____ Skipped Sequences (OLD RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence: (2) INFORMATION FOR SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) (i) SEQUENCE CHARACTERISTICS: (Do not insert any subheadings under this heading) (xi) SEQUENCE DESCRIPTION:SEQ ID NO:X: (insert SEQ ID NO where "X" is shown) This sequence is intentionally skipped  Please also adjust the "(ii) NUMBER OF SEQUENCES:" response to include the skipped sequences.	
8 _____ Skipped Sequences (NEW RULES)	Sequence(s) _____ missing. If intentional, please insert the following lines for each skipped sequence. <210> sequence id number <400> sequence id number 000	
9 _____ Use of n's or Xaa's (NEW RULES)	Use of n's and/or Xaa's have been detected in the Sequence Listing. Per 1.823 of Sequence Rules, use of <220>-<223> is MANDATORY if n's or Xaa's are present. In <220> to <223> section, please explain location of n or Xaa, and which residue n or Xaa represents.	
10 _____ Invalid <213> Response	Per 1.823 of Sequence Rules, the only valid <213> responses are: Unknown, Artificial Sequence, or scientific name (Genus/species). <220>-<223> section is required when <213> response is Unknown or is Artificial Sequence	
11 <input checked="" type="checkbox"/> Use of <220>	Sequence(s) <u>375</u> missing the <220> "Feature" and associated numeric identifiers and responses. Use of <220> to <223> is MANDATORY if <213> "Organism" response is "Artificial Sequence" or "Unknown." Please explain source of genetic material in <220> to <223> section. (See "Federal Register," 06/01/1998, Vol. 63, No. 104, pp. 29631-32) (Sec. 1.823 of Sequence Rules)	
12 _____ PatentIn 2.0 "bug"	Please do not use "Copy to Disk" function of PatentIn version 2.0. This causes a corrupted file, resulting in missing mandatory numeric identifiers and responses (as indicated on raw sequence listing). Instead, please use "File Manager" or any other manual means to copy file to floppy disk.	
13 _____ Misuse of n	n can only be used to represent a single nucleotide in a nucleic acid sequence. N is not used to represent any value not specifically a nucleotide.	

OIPE

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/10/015,822

DATE: 01/02/2002

TIME: 11:10:01

Input Set : A:\Seq\_List\_for\_P2830PlC38.wpd

Output Set: N:\CRF3\01022002\J015822.raw

Does Not Comply  
Corrected Diskette Needed

P6

3 <110> APPLICANT: Baker, Kevin P.  
4 Botstein, David  
5 Desnoyers, Luc  
6 Eaton, Dan l.  
7 Ferrara, Napoleone  
8 Fong, Sherman  
9 Gao, Wei-Qiang  
10 Goddard, Audrey  
11 Godowski, Paul J.  
12 Grimaldi, Christopher J.  
13 Gurney, Austin L.  
14 Hillan, Kenneth J.  
15 Pan, James  
16 Paoni, Nicholas F.  
18 <120> TITLE OF INVENTION: Secreted and Transmembrane Polypeptides and Nucleic  
19 Acids Encoding the Same  
21 <130> FILE REFERENCE: P2830PlC38  
C--> 23 <140> CURRENT APPLICATION NUMBER: US/10/015,822  
C--> 23 <141> CURRENT FILING DATE: 2001-12-10  
23 <150> PRIOR APPLICATION NUMBER: 60/098716  
24 <151> PRIOR FILING DATE: 1998-09-01  
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## RAW SEQUENCE LISTING

DATE: 01/02/2002

PATENT APPLICATION: US/10/015,822

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DATE: 01/02/2002

PATENT APPLICATION: US/10/015,822

TIME: 11:10:01

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Output Set: N:\CRF3\01022002\J015822.raw

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DATE: 01/02/2002

PATENT APPLICATION: US/10/015,822

TIME: 11:10:01

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Output Set: N:\CRF3\01022002\J015822.raw

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## RAW SEQUENCE LISTING

DATE: 01/02/2002

PATENT APPLICATION: US/10/015,822

TIME: 11:10:01

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10/015,822 6

<210> 375

<211> 1098

<212> DNA

<213> Artificial

<400> 375

see Item 11 on Ena Summary Sheet

FYE —)

Use of n and/or Xaa has been detected in the Sequence Listing.  
Review the Sequence Listing to insure a corresponding  
explanation is presented in the <220> to <223> fields of  
each sequence using n or Xaa.



## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/015,822

DATE: 01/02/2002

TIME: 11:10:02

Input Set : A:\Seq\_List\_for\_P2830P1C38.wpd

Output Set: N:\CRF3\01022002\J015822.raw

L:23 M:270 C: Current Application Number differs, Replaced Current Application No  
L:23 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:520 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:1  
L:523 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:1  
L:533 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:2  
L:536 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:2  
L:681 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:4  
L:1342 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:13  
L:1345 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:13  
L:1355 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:14  
L:1358 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:14  
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L:1371 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:15  
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L:1580 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:20  
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L:1914 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:25  
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L:1927 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:26  
L:1937 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:27  
L:1940 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:27  
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L:2792 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:45  
L:2795 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:45  
L:2805 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:46  
L:2808 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:46  
L:2818 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:47  
L:2821 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:47  
L:2831 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:48  
L:2834 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:48  
L:3957 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:59

## VERIFICATION SUMMARY

PATENT APPLICATION: US/10/015,822

DATE: 01/02/2002

TIME: 11:10:02

Input Set : A:\Seq\_List\_for\_P2830P1C38.wpd

Output Set: N:\CRF3\01022002\J015822.raw

L:3960 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:59  
L:3970 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:60  
L:3973 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:60  
L:3983 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:61  
L:3986 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:61  
L:4030 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:62  
L:4122 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63  
L:4158 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:63  
L:4185 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:64  
L:4188 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:64  
L:4198 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:65  
L:4201 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:65  
L:4211 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:66  
L:4214 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:66  
L:4694 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:73  
L:4697 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:73  
L:4707 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:74  
L:4710 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:74  
L:4720 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:75  
L:4723 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:75  
L:5092 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:80  
L:5095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:80  
L:5108 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:81  
L:5118 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:82  
L:5121 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:82  
L:5881 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:89  
L:5884 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:89  
L:5894 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:90  
L:5897 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:90  
L:5907 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:91  
L:5910 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:91  
L:5920 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:92  
L:5923 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:92  
L:5933 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:93  
L:5936 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:93  
L:6143 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:96  
L:6146 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:96  
L:6156 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:97  
L:6159 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:97  
L:6169 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:98  
L:6172 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:98  
L:6884 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:105  
L:6887 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:105  
L:6897 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:106  
L:6900 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:106  
L:6910 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:107  
L:6913 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:107  
L:6923 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:108  
L:6926 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:108

VERIFICATION SUMMARY

PATENT APPLICATION: US/10/015,822

DATE: 01/02/2002

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Input Set : A:\Seq\_List\_for\_P2830PlC38.wpd

Output Set: N:\CRF3\01022002\J015822.raw

L:6936 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:109  
 L:6939 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:109  
 L:7066 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:112  
 L:7069 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:112  
 L:7079 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:113  
 L:7082 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:113  
 L:7092 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:114  
 L:7095 M:257 W: Feature value mis-spelled or invalid, <221> Name/Key for SEQ ID#:114  
 L:7473 M:220 C: Keyword misspelled or invalid format, <213> ORGANISM for SEQ ID#:119  
 L:14262 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:259  
 L:20824 M:258 W: Mandatory Feature missing, <220> FEATURE:  
 L:20824 M:258 W: Mandatory Feature missing, <223> OTHER INFORMATION:  
 L:20939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:377  
 L:22554 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:422